

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

1. (Currently Amended): A banding packing machine comprising:  
a common touch roller ~~provided to freely come~~ that comes in pressure contact with and ~~separate~~ separates from a normal rotating roller and a reverse rotating roller;  
band feeding means ~~constituted by~~ for causing the common touch roller to come in pressure contact with the normal rotating roller and ~~serving to feed~~ for feeding a tip portion of a band in a packing machine body toward a band guide arch side;  
detecting means for detecting that the tip portion of the band arrives at a predetermined position ~~of~~ on the band guide arch;  
band pulling back means ~~constituted by~~ for causing the common touch roller to come in pressure contact with the reverse rotating roller and ~~serving to pull~~ for pulling back the band fed toward the band guide arch side based on a signal generated from the detecting means;  
band tightening means for tightening the band ~~thus pulled back~~ by the band pulling back means; and  
one of a back pool box or a pool box which is partitioned in the packing machine body for temporarily storing the unused band pulled back by the band pulling back means and the band tightening means; and  
rotation speed detection means for detecting the rotation speed of the band feeding means,  
the band feeding means is contracted in which when the unused band stored in one of the back pool box or the pool box is to be used for a next banding process, said ~~unused tip portion of the~~ band is fed toward the band guide arch side by a driving force of the ~~band feeding means including the~~ normal rotating roller and the common touch roller, and

the band feeding means is contracted such that an amount of band ~~further~~ required is reeled out directly from a band reel toward the band guide arch side and is ~~thus~~ fed toward the band guide arch side,

wherein the rotation speed detecting means detects a rotating speed of ~~driving means for rotating~~ the band reel feeding means is detected by speed detecting means when the ~~further~~ required amount of band is ~~being directly~~ reeled out from the band reel toward the band guide arch side by the driving force of the band feeding means, and ~~it is decided that the~~ band is left ~~in~~ on the band reel if the rotating speed of the ~~driving~~ band feeding means detected by the rotation speed detection means is changed, and

~~it is decided that the band is not left in~~ on the band reel if the rotating speed of the ~~driving~~ band feeding means is not changed ~~but the rotation is carried out at an almost constant speed.~~

2. (Currently Amended): The banding packing machine according to claim 1, wherein a detected portion of the ~~driving means in which the change in the rotating speed~~ rotation speed detection means ~~is detected~~ is the common touch roller ~~constituting the band feeding means.~~

3. (Currently Amended): The banding packing machine according to claim 1, wherein a detected portion of the ~~driving means in which the change in the rotating speed is detected~~ rotation speed detection means is a pool feed touch roller, which comes in pressure contact with a rotating shaft of a pool feed motor provided for reeling out the band from the band reel to the pool box.

4. (Currently Amended): The banding packing machine according to claim 1, wherein the ~~means for detecting a rotating speed~~ rotation speed detection means is a proximity switch.

5. (Currently Amended): The banding packing machine according to claim 1, further comprising a disk attached integrally with a rotating shaft of the common touch roller or ~~the~~ a pool feed touch roller and provided with a notch, wherein the passage of

the notch with a rotation of the rotating shaft ~~being~~ is detected by ~~the~~ a proximity switch, whereby a rotating speed of the common touch roller or the pool feed touch roller is detected.

6. (Currently Amended): The banding packing machine according to claim 4, wherein the detection of the rotating speed of the common touch roller or ~~the~~ a pool feed touch roller by the proximity switch is carried out at a pulse voltage in the proximity switch, and further comprising a control means for retaining it is decided that the band is left in the band reel if a pulse interval of the pulse voltage is changed, and for permitting the removal of it is decided that the band is not left in from the band reel if the pulse voltage has an almost constant pulse interval.

7. (Currently Amended): A banding packing machine comprising:  
a common touch roller ~~provided to freely come~~ that comes in pressure contact with and ~~separate~~ separates from a normal rotating roller and a reverse rotating roller;

band feeding means ~~constituted by~~ for causing the common touch roller to come in pressure contact with the normal rotating roller and ~~serving to feed~~ for feeding a tip portion of a band in a packing machine body toward a band guide arch side;

detecting means for detecting that the tip portion of the band arrives at a ~~predetermined position~~ stopper of the band guide arch;

band pulling back means ~~constituted by~~ for causing the common touch roller to come in pressure contact with the reverse rotating roller and ~~serving to pull~~ for pulling back the band fed toward the band guide arch side based on a signal generated from the detecting means;

band tightening means for tightening the band ~~thus~~ pulled back by the band pulling back means; and

one of a back pool box or a pool box which is partitioned in the packing machine body for temporarily storing the unused band pulled back by the band pulling back means and the band tightening ~~means; means; and~~

rotation speed detection means for detecting the rotation speed of the band feeding means.

~~in which the band feeding means is contracted~~ when the unused band stored in ~~one of the back pool box or the pool box is to be used for a next banding process, said unused band tip portion of the band~~ is fed toward the band guide arch side by ~~a driving force of the band feeding means including the normal rotating roller~~ normal rotating roller and the common touch roller, and

the band feeding means is contracted such that an amount of band ~~further~~ required is reeled out directly from a band reel toward the band guide arch side and is thus fed toward the guide arch side,

wherein the rotation speed detecting means detects a rotating speed of ~~driving means for rotating the band reel~~ the band feeding means is detected by speed detecting means when the ~~further~~ required amount of the band is ~~being directly~~ reeled out from the band reel toward the band guide arch side by the driving force of the band feeding means, and ~~it is decided that the band is left in on the band reel if the rotating speed of the driving band feeding means detected by the rotation speed detection means is changed, and~~

~~it is decided that the band is left in the band reel if the rotating speed of the driving means is not changed but the rotation is carried out at an almost constant speed and arrival of the tip portion of the band at a predetermined position on the band guide arch side is detected by the detecting means, and~~

~~it is decided that the band is not left in on the band reel if the rotating speed of the driving band feeding means is not changed but the rotation is carried out at an almost constant speed, and the arrival of the tip portion of the band at the predetermined position on stopper of the band guide arch side is not detected by the a band tip portion arriving detecting means.~~

8. (Currently Amended): The banding packing machine according to claim 7, wherein a detected portion of the ~~driving means in which the change in the rotating speed is detected~~ rotation speed detection means is the common touch roller constituting the ~~band feeding means~~.

9. (Currently Amended): The banding packing machine according to claim 7, wherein a detected portion of the ~~driving means in which the change in the rotating~~

~~speed is detected~~ rotation speed detection means is a pool feed touch roller, which comes in pressure contact with a rotating shaft of a pool feed motor provided for reeling out the band from the band reel to the pool box.

10. (Currently Amended): The banding packing machine according to claim 7, wherein the ~~means for detecting a rotating speed~~ rotation speed detection means is a proximity switch.

11. (Currently Amended): The banding packing machine according to claim 7, further comprising a disk attached integrally with a rotating shaft of the common touch roller or ~~a~~ the pool feed touch roller and provided with a notch, wherein the passage of the notch with a rotation of the rotating shaft ~~being~~ is detected by a proximity switch, whereby a rotating speed of the common touch roller or the pool feed touch roller is detected.

12. (Currently Amended): The banding packing machine according to claim 10, wherein the detection of the rotating speed of the common touch roller or the pool feed touch roller by the proximity switch is carried out at a pulse voltage in the proximity switch, and a control means provided for retaining ~~it is decided that~~ the band is left in the band reel if a pulse interval of the pulse voltage is changed, and permitting the removal of it ~~is decided that the band is not left in~~ from the band reel if the pulse voltage has an almost constant pulse interval.

13. (Currently Amended): The banding packing machine according to claim 2, wherein the ~~means for detecting a rotating speed~~ rotation speed detection means is a proximity switch.

14. (Currently Amended): The banding packing machine according to claim 3, wherein the rotation speed detection means ~~for detecting a rotating speed~~ is a proximity switch.

15. (Currently Amended): The banding packing machine according to claim 2, ~~further~~ comprising a disk attached integrally with a rotating shaft of the common touch roller or ~~the~~ a pool feed touch roller and provided with a notch, wherein the passage of the notch with a rotation of the rotating shaft ~~being~~ is detected by ~~the~~ a proximity switch, whereby a rotating speed of the common touch roller or the pool feed touch roller is detected.

16. (Currently Amended): The banding packing machine according to claim 3, ~~further~~ comprising a disk attached integrally with a rotating shaft of the common touch roller or the pool feed touch roller and provided with a notch, wherein the passage of the notch with a rotation of the rotating shaft ~~being~~ is detected by ~~the~~ a proximity switch, whereby a rotating speed of the common touch roller or the pool feed touch roller is detected.

17. (Currently Amended): The banding packing machine according to claim 4, further comprising a disk attached integrally with a rotating shaft of the common touch roller or ~~the~~ a pool feed touch roller and provided with a notch, wherein the passage of the notch with a rotation of the rotating shaft ~~being~~ is detected by the proximity switch, whereby a rotating speed of the common touch roller or the pool feed touch roller is detected.

18. (Currently Amended): The banding packing machine according to claim 5, ~~wherein the detection of the rotating speed~~ comprising a disk attached integrally with the rotating shaft of the common touch roller or the pool feed touch roller ~~by the proximity switch is carried out at a pulse voltage in the proximity switch~~ and provided with a notch,  
~~it is decided that the band is left in the band reel if a pulse interval of the pulse voltage is changed, and~~  
~~it is decided that the band is not left in the band reel if the pulse voltage has an almost constant pulse interval~~

wherein the passage of the notch with a rotation of the rotating shaft is detected by the proximity switch, whereby the rotating speed of the common touch roller or the pool feed touch roller is detected.

19. (Currently Amended): The banding packing machine according to claim 8, wherein the rotation speed detection means ~~for detecting a rotating speed~~ is a proximity switch.

20. (Currently Amended): The banding packing machine according to claim 9, wherein the rotation speed detection means ~~for detecting a rotating speed~~ is a proximity switch.

21. (Currently Amended): The banding packing machine according to claim 8, ~~further~~ comprising a disk attached integrally with a rotating shaft of the common touch roller or ~~the~~ a pool feed touch roller and provided with a notch, wherein the passage of the notch with a rotation of the rotating shaft ~~being~~ is detected by a proximity switch, whereby a rotating speed of the common touch roller or the pool feed touch roller is detected.

22. (Currently Amended): The banding packing machine according to claim 9, ~~further~~ comprising a disk attached integrally with a rotating shaft of the common touch roller or the pool feed touch roller and provided with a notch, wherein the passage of the notch with a rotation of the rotating shaft ~~being~~ is detected by a proximity switch, whereby a rotating speed of the common touch roller or the pool feed touch roller is detected.

23. (Currently Amended): The banding packing machine according to claim 10, ~~further~~ comprising a disk attached integrally with a rotating shaft of the common touch roller or ~~the~~ a pool feed touch roller and provided with a notch, wherein the

passage of the notch with a rotation of the rotating shaft ~~being~~ is detected ~~by a~~  
by the proximity switch, whereby a rotating speed of the common touch roller or the pool  
feed touch roller is detected.

24. (Currently Amended): The banding packing machine according to  
claim 11, ~~wherein the detection of the rotating speed comprising a disk attached integrally~~  
~~with the rotating shaft~~ of the common touch roller or the pool feed touch roller ~~by the~~  
~~proximity switch is carried out at a pulse voltage in the proximity switch~~ and provided with a  
notch, wherein the

~~it is decided that the band is left in the band reel if a pulse interval of the pulse~~  
~~voltage is changed, and~~

~~it is decided that the band is not left in the band reel if the pulse voltage has an~~  
~~almost constant pulse interval~~

passage of the notch with a rotation of the rotating shaft is detected by the  
proximity switch, whereby a rotating speed of the common touch roller or the pool feed touch  
roller is detected.